

U.S. Department of Energy Office Of River Protection

P.O. Box 450, MSIN H6-60 Richland, Washington 99352

AUG 2 3 2007

07-ESQ-133

Ms. Jane A. Hedges, Program Manager Nuclear Waste Program State of Washington Department of Ecology 3100 Port of Benton Blvd. Richland, Washington 99354



Dear Ms. Hedges:

SUBMITTAL OF HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMIT MODIFICATION NOTIFICATION FORM 24590-LAW-PCN-ENV-07-005

Reference: WA7890008967, "Dangerous Waste Portion of the Hanford Facility Resource

Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of

Dangerous Waste, Part III, Operating Unit 10, 'Waste Treatment and

Immobilization Plant."

This letter submits Hanford Facility RCRA Permit Modification Notification Form 24590-LAW-PCN-ENV-07-005 (Attachment 1) for the Washington State Department of Ecology (Ecology) review and approval. The form describes a requested Class 1 modification to the Reference. A Bechtel National, Inc. certification statement is provided in Attachment 2.

Modification Form 24590-LAW-PCN-ENV-07-005, updates the Process Flow Diagram (PFD) for Low-Activity Waste (LAW) Ammonia and Secondary Offgas System (24590-LAW-M5-V17T-P0010) in Appendix 9.1 of the Reference. Revision 1 of this PFD was stamped and submitted to Ecology for approval in Permit Change Notice (PCN) 24590-LAW-PCN-ENV-06-009. Revision 1 was rejected by Ecology on February 2, 2007, because of issues associated with ghosting. As such, Revision 2 is included with this PCN, and the revision number of this PFD in the permit will go from Revision 0 to Revision 2.

If you have any questions, please contact me, or your staff may contact Lori A. Huffman, Office of Environmental Safety and Quality, (509) 376-0104.

Sincerely,

Shirley J/Olinger, Acting Manager

Office of River Protection

ESQ:LAH

Attachments: (2)

cc: See page 2

cc w/attachs:

Administrative Record

BNI Correspondence

Environmental Portal, LMSI

cc electronic:

- W. S. Elkins, BNI
- B. G. Erlandson, BNI
- P. A. Fisher, BNI
- J. S. Hill, BNI
- S. Murdock, BNI
- P. Peistrup, BNI
- D. Robertson, BNI
- B. Becker-Khaleel, Ecology (1 hard copy)
- E. A. Fredenburg, Ecology
- T. Gao, Ecology
- A. A. Hamar, Ecology
- S. A. Thompson, FHI
- A. C. McKarns, RL
- D. J. Sommer, SCS

cc w/o attachs:

- D. A. Klein, BNI
- J. Cox, CTUIR
- S. Harris, CTUIR
- L. Cusack, Ecology
- S. L. Dahl, Ecology
- G. P. Davis, Ecology
- G. Bohnee, NPT
- K. Niles, Oregon Energy
- R. Jim, YN

Attachment 1 07-ESQ-133

Hanford Facility RCRA Permit Modification Notification Form 24590-LAW-PCN-ENV-07-005

Hanford Facility RCRA Permit Modification Notification Form Part III, Operating Unit 10

Waste Treatment and Immobilization Plant

Index

Page 2 of 2: Hanford Facility RCRA Permit, Operating Unit 10, Waste Treatment and Immobilization Plant

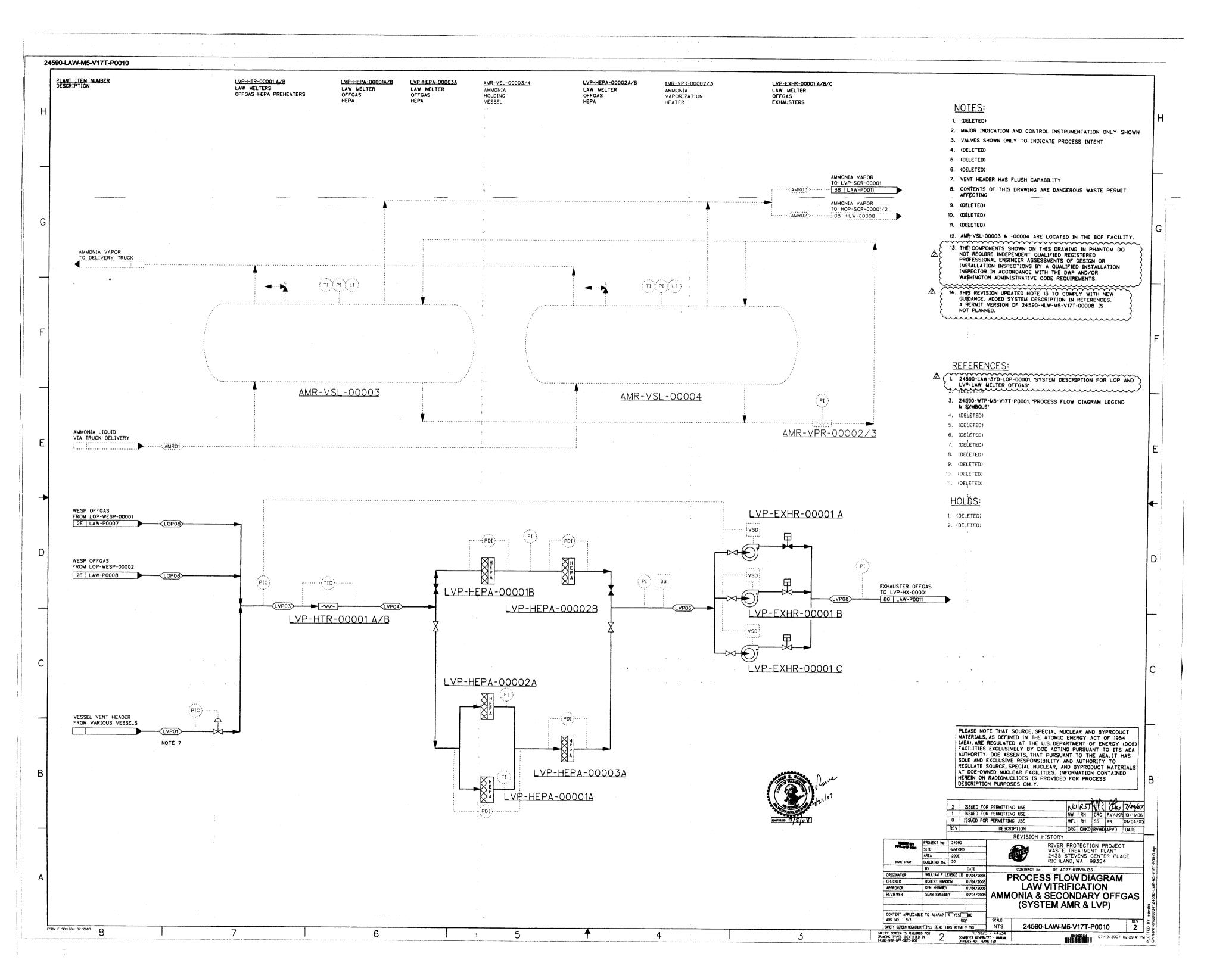
Update LAW Vitrification Building Process Flow Diagram - LAW Vitrification Ammonia and Secondary Offgas

System (24590-LAW-M5-V17T-P0010) in Appendix 9.1 of the Dangerous Waste Permit

Hanford Facility RCRA Permit Modification Notification Form						
Unit:		Permit Part & Chapter:				
Waste Treatment and Immobilization Plant			Part III, Ope	rating Unit 1	0	
Description of Modification:						
The purpose of this Class 1 modification is to update the Offgas System (24590-LAW-M5-V17T-P0010). The following currently in Appendix 9.1.	ne Process ng permit F	s Flov PFD is	v (PFD) for the s being submitt	LAW Ammonia ed to replace t	and Secondary he PFD	
Appendix 9.1	C 118 18 18					
Replace: 24590-LAW-M5-V17T-P0010, Rev. 0	With: 2	24590)-LAW-M5-V17	T-P0010, Rev.	2	
The referenced PFD is a complete revisions. It incorporates changes provided in applicable document change forms (e.g., DCN, SCN, SDDR, FCN, FCR, etc.) and changes associated with the resolution to comments on change documents since the issuance of the last revision of the permitted drawing. This modification requests Ecology approval and incorporation into the permit, the specific changes to these P&IDs that are indicated by note 14, clouds, and revision triangles. Revisions are the result of ongoing design changes. The following identifies the significant types of changes on the attached drawings. Revised numbering and nomenclature for Ammonia Product Storage Vessels (AMR) throughout the drawing Corrected document number for "Process Flow Diagram Legend and Symbols" in the References section. Added flow indicators to the HEPA configuration. Revised numbering of LAW Secondary Offgas Vessel Vent Process System (LVP) HEPA filters. Revised offsheet connector labels Revised ammonia vaporization heater plant item numbers The following is a list of outstanding change documents that have not been incorporated into this modification: None						
WAC 173-303-830 Modification Class: 12	Class	1	Class ¹ 1	Class 2	Class 3	
Please mark the Modification Class:	х				2,000	
Enter Relevant WAC 173-303-830, Appendix I Modification citation number: A.1. & A.3. Enter wording of WAC 173-303-830, Appendix I Modification citation:						
A.1. Administrative and informational changes A.3. Equipment replacement or upgrading with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls)						
Modification Approved: Yes No (state reason for denial) Reason for denial:			Re	Reviewed by Ecology:		
			B. Becker		Date	

Class 1 modifications requiring prior Agency approval.

² If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to a Class '1, if applicable.



Attachment 2 07-ESQ-133

Bechtel National, Inc. Certification Statement

Bechtel National, Inc. Certification

The following certification statement is provided consistent with Contract No. DE-AC27-01RV14136, Section H.26, Environmental Permits, paragraph (g) for the submittal of the Hanford Facility Resource Conservation and Recovery Act Permit Modification Notification Form 24590-LAW-PCN-ENV-07-005.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

W. S. Elkins

Project Director